

**NON-PATENT LITERATURE**

File 2:INSPEC 1898-2006/Jun W4  
     (c) 2006 Institution of Electrical Engineers

File 6:NTIS 1964-2006/Jun W4  
     (c) 2006 NTIS, Intl Cpyrgh All Rights Res

File 8:Ei Compendex(R) 1970-2006/Jun W4  
     (c) 2006 Elsevier Eng. Info. Inc.

File 248:PIRA 1975-2006/Jun W2  
     (c) 2006 Pira International

File 94:JICST-EPlus 1985-2006/Apr W1  
     (c) 2006 Japan Science and Tech Corp(JST)

File 144:Pascal 1973-2006/Jun W2  
     (c) 2006 INIST/CNRS

File 95:TEME-Technology & Management 1989-2006/Jun W4  
     (c) 2006 FIZ TECHNIK

File 23:CSA Technology Research Database 1963-2006/Jun  
     (c) 2006 CSA.

File 25:Weldasearch 19662006/May  
     (c) 2006 TWI Ltd

File 36:MetalBase 1965-20060703  
     (c) 2006 The Thomson Corporation

File 30:AsiaPacific 1985-2006/May 30  
     (c) 2006 Aristarchus Knowledge Indus.

Set Items Description

S1 148628 ANCHOR??? OR HOOK? ? OR HOLD()DOWN OR DUNNAGE OR PLUG? ?

S2 3460 (ELASTIC OR FLEXIBLE OR STRETCH???? OR RESILIENT)(1W) (LOOP  
         OR LOOPS OR RING OR RINGS) OR RUBBER()BAND? ?

S3 132 (CABLE OR ZIP)() (TIE OR TIES OR TIED OR TYING) OR (RAT OR -  
         MOUSE)()BELT? ? OR TIE()WRAP????

S4 11637 RATCHET? OR RATCH?? OR PAWL? ? OR GEARWHEEL? ? OR GEAR()WH-  
         EEL? ?

S5 276160 DRUM? ? OR BARREL? ? OR CONTAINER? ?

S6 293 BOTTOM()HEAD????

S7 0 S1 AND S2 AND S3 AND S4

S8 0 S2 AND S3 AND S4

S9 0 S1 AND S2 AND S4

S10 4 S2 AND S4

**S11 3 RD (unique items)**

File 2:INSPEC 1898-2006/Jun W4  
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File 8:Ei Compendex(R) 1970-2006/Jun W4  
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File 248:PIRA 1975-2006/Jun W2  
     (c) 2006 Pira International

File 94:JICST-EPlus 1985-2006/Apr W1  
     (c) 2006 Japan Science and Tech Corp(JST)

File 95:TEME-Technology & Management 1989-2006/Jun W4  
     (c) 2006 FIZ TECHNIK

File 144:Pascal 1973-2006/Jun W2  
     (c) 2006 INIST/CNRS

File 23:CSA Technology Research Database 1963-2006/Jun  
     (c) 2006 CSA.

File 25:Weldasearch 19662006/May  
(c) 2006 TWI Ltd

File 36:MetalBase 1965-20060703  
(c) 2006 The Thomson Corporation

File 30:AsiaPacific 1985-2006/May 30  
(c) 2006 Aristarchus Knowledge Indus.

Set Items Description

S1 148628 ANCHOR??? OR HOOK? ? OR HOLD()DOWN OR DUNNAGE OR PLUG? ?  
S2 132 (CABLE OR ZIP)()(TIE OR TIES OR TIED OR TYING) OR (RAT OR -  
MOUSE) ()BELT? ? OR TIE()WRAP????

S3 11637 RATCHET? OR RATCH?? OR PAWL? ? OR GEARWHEEL? ? OR GEAR()WH-  
EEL? ?  
S4 0 S1 AND S2 AND S3

File 103:Energy SciTec 1974-2006/May B1  
(c) 2006 Contains copyrighted material

File 354:Ei EnCompassLit(TM) 1965-2006/Jul W1  
(c) 2006 Elsevier Eng. Info. Inc.

Set Items Description

S1 12 BOTTOM()HEAD????(S)DRUM? ?  
S2 24559 ANCHOR??? OR HOOK? ? OR HOLD()DOWN OR DUNNAGE OR PLUG? ?  
S3 434 (ELASTIC OR FLEXIBLE OR STRETCH???? OR RESILIENT)(1W) (LOOP  
OR LOOPS OR RING OR RINGS) OR RUBBER()BAND? ?

S4 7 (CABLE OR ZIP)()(TIE OR TIES OR TIED OR TYING) OR (RAT OR -  
MOUSE) ()BELT? ? OR TIE()WRAP????

S5 1303 RATCHET? OR RATCH?? OR PAWL? ? OR GEARWHEEL? ? OR GEAR()WH-  
EEL? ?  
S7 0 S1 AND S2:S5

File 707:The Seattle Times 1989-2006/Jul 02  
(c) 2006 Seattle Times

Set Items Description

S1 27621 ANCHOR??? OR HOOK? ? OR HOLD()DOWN OR DUNNAGE OR PLUG? ?  
S2 413 (ELASTIC OR FLEXIBLE OR STRETCH???? OR RESILIENT)(1W) (LOOP  
OR LOOPS OR RING OR RINGS) OR RUBBER()BAND? ?

S3 16 (CABLE OR ZIP)()(TIE OR TIES OR TIED OR TYING) OR (RAT OR -  
MOUSE) ()BELT? ? OR TIE()WRAP????

S4 780 RATCHET? OR RATCH?? OR PAWL? ? OR GEARWHEEL? ? OR GEAR()WH-  
EEL? ?  
S5 0 S1 AND S2 AND S3 AND S4

S6 0 S1 AND S2 AND S3:S4

File 9:Business & Industry(R) Jul/1994-2006/Jun 30  
(c) 2006 The Gale Group

File 15:ABI/Inform(R) 1971-2006/Jul 01  
(c) 2006 ProQuest Info&Learning

File 16:Gale Group PROMT(R) 1990-2006/Jun 30  
(c) 2006 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File 47:Gale Group Magazine DB(TM) 1959-2006/Jul 03  
(c) 2006 The Gale group

File 148:Gale Group Trade & Industry DB 1976-2006/Jul 03  
(c) 2006 The Gale Group

File 621:Gale Group New Prod.Annou.(R) 1985-2006/Jul 03  
(c) 2006 The Gale Group

File 624:McGraw-Hill Publications 1985-2006/Jun 30  
(c) 2006 McGraw-Hill Co. Inc  
File 635:Business Dateline(R) 1985-2006/Jul 01  
(c) 2006 ProQuest Info&Learning  
File 636:Gale Group Newsletter DB(TM) 1987-2006/Jun 30  
(c) 2006 The Gale Group  
File 141:Readers Guide 1983-2006/Feb  
(c) 2006 The HW Wilson Co  
File 484:Periodical Abs Plustext 1986-2006/Jun W4  
(c) 2006 ProQuest

| Set        | Items    | Description  |
|------------|----------|--|
| S1         | 1054711  | ANCHOR??? OR HOOK? ? OR HOLD()DOWN OR DUNNAGE OR PLUG? ?   |
| S2         | 9484     | (ELASTIC OR FLEXIBLE OR STRETCH???? OR RESILIENT)(1W) (LOOP<br>OR LOOPS OR RING OR RINGS) OR RUBBER()BAND? ? |
| S3         | 2118     | (CABLE OR ZIP())(TIE OR TIES OR TIED OR TYING) OR (RAT OR -<br>MOUSE)()BELT? ? OR TIE()WRAP????              |
| S4         | 36190    | RATCHET? OR RATCH?? OR PAWL? ? OR GEARWHEEL? ? OR GEAR()WH-<br>EEL? ?  |
| S5         | 1105084  | DRUM? ? OR BARREL? ? OR CONTAINER? ?   |
| S6         | 0        | S1(S)S2(S)S3(S)S4  |
| S7         | 0        | S2(S)S3(S)S4   |
| <b>S8</b>  | <b>2</b> | <b>S1(S)S2(S)S3:S4</b>   |
| S9         | 4        | S2(S)S4  |
| S10        | 4        | S9 NOT S8  |
| <b>S11</b> | <b>4</b> | <b>RD (unique items) [not relevant]</b>  |

**8/3,K/1 (Item 1 from file: 47)**

DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2006 The Gale group. All rts. reserv.  
05059868 SUPPLIER NUMBER: 20159650 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Build the Astro-Treker. (toy)**

Slone, G. Randy  
Electronics Now, v68, n12, p35(7)  
Dec, 1997  
ISSN: 1067-9294 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 5583 LINE COUNT: 00406  
... center motor.

The balance rod can be attached to the pivot channel by several methods. Tie wraps can be used for a permanent mount, with the wires soldered together. To make the Astro-Treker easy to dismantle and store, you could use rubber bands or small hose clamps instead of tie wraps. Very little pressure is needed to hold the balance rod in place. For that arrangement, a four-conductor plug is needed for the wiring connections...

**FOREIGN AND INTERNATIONAL PATENTS**

File 350:Derwent WPIX 1963-2006/UD, UM &UP=200641  
 File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

| Set        | Items     | Description   |
|------------|-----------|---|
| S1         | 470965    | ANCHOR??? OR HOOK? ? OR HOLD()DOWN OR DUNNAGE OR PLUG? ?  |
| S2         | 19516     | (ELASTIC OR FLEXIBLE OR STRETCH???? OR RESILIENT)(1W) (LOOP OR LOOPS OR RING OR RINGS) OR RUBBER()BAND? ? |
| S3         | 804       | (CABLE OR ZIP)()(TIE OR TIES OR TIED OR TYING) OR (RAT OR - MOUSE)()BELT? ? OR TIE()WRAP????              |
| S4         | 84498     | RATCHET? OR RATCH?? OR PAWL? ? OR GEARWHEEL? ? OR GEAR()WHEEL? ?  |
| S5         | 950569    | DRUM? ? OR BARREL? ? OR CONTAINER? ?  |
| S6         | 0         | S1 AND S2 AND S3 AND S4   |
| S7         | 0         | S2 AND S3 AND S4  |
| <b>S8</b>  | <b>7</b>  | <b>S1 AND S3 AND S4</b>   |
| S9         | 0         | S5 AND S8   |
| S10        | 1541      | S1 AND S2   |
| S11        | 16        | S3:S4 AND S10   |
| S12        | 6         | S11 AND S5  |
| <b>S13</b> | <b>6</b>  | <b>S12 NOT S8</b>   |
| <b>S14</b> | <b>10</b> | <b>S11 NOT (S8 OR S12)</b>  |
| S15        | 407       | BOTTOM()HEAD????  |
| S16        | 47        | S5 AND S15  |
| S17        | 4         | S16 AND S1:S4   |
| <b>S18</b> | <b>3</b>  | <b>S17 NOT (S8 OR S11 OR S12)</b>   |
| S19        | 5861      | HOLD()DOWN OR DUNNAGE   |
| S20        | 1         | S15 AND S19   |
| S21        | 0         | S20 NOT (S8 OR S11:S12 OR S17)  |

**8/34/1 (Item 1 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corp. All rts. reserv.  
 014327725 \*\*Image available\*\*  
 WPI Acc No: 2002-148428/200219

A flexible locking tie for keeping computer and other electrical cables tidy in a home or office includes a tie consisting of strap elements with engaging formations and connected by a pair of eyes, and a cable tie fastener

Patent Assignee: HERBERT A V (HERB-I)

Inventor: HERBERT A V

Number of Countries: 096 Number of Patents: 003

Patent Family:

| Patent No    | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|--------------|------|----------|---------------|------|----------|----------|
| WO 200206714 | A1   | 20020124 | WO 2001IB1264 | A    | 20010717 | 200219 B |
| AU 200169372 | A    | 20020130 | AU 200169372  | A    | 20010717 | 200236   |
| ZA 200202118 | A    | 20021224 | ZA 20022118   | A    | 20020314 | 200309   |

Priority Applications (No Type Date): ZA 20014588 A 20010605; ZA 20003608 A 20000718

Patent Details:

| Patent No    | Kind | Lan | Pg | Main IPC     | Filing Notes |
|--------------|------|-----|----|--------------|--------------|
| WO 200206714 | A1   | E   | 16 | F16L-003/233 |              |

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW  
AU 200169372 A F16L-003/233 Based on patent WO 200206714  
ZA 200202118 A 17 F16B-000/00  
Abstract (Basic): WO 200206714 A1

NOVELTY - A **tie** consists of a strap (12) having first (16.1) and second (16.2) strap elements connected in overlapping arrangement to each other by means of a pair of eyelets (22). The first strap element has **hook** formations on one side to mesh and engage with **loop** formations on the second strap element. A fastener (14) consists of a conventional **cable tie** with a head (24) and a **flexible** tail (26) with a series of **ratchet** teeth (30). The **flexible** tail is threaded through the eyelets.

USE - The **flexible** locking **tie** is used for keeping computer and other electrical **cables** tidy in a home or office.

ADVANTAGE - A single **cable** can be held in the conventional **cable tie** and then a group of **cables** can be held by the longer **tie wrapped** around them and engaged.

DESCRIPTION OF DRAWING(S) - The figure shows a pictorial view of a **flexible** locking **tie**.

Strap (12)  
Fastener (14)  
Strap elements (16.1, 16.2)  
Eyelets (22)  
Head (24)  
**Flexible** tail (26)  
**Ratchet** teeth (30)

pp; 16 DwgNo 1/7

Derwent Class: P23; Q61; Q67

International Patent Class (Main): F16B-000/00; F16L-003/233

International Patent Class (Additional): A44B-018/00; F16B-005/07

**8/34/2 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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013872958 \*\*Image available\*\*

WPI Acc No: 2001-357170/200138

**Cable tie - wrap weak link for tarpaulins secured to building scaffolding minimizes the risk of collapse in high winds by giving way at calculated maximum load to release tarpaulin**

Patent Assignee: PARTHY K (PART-I)

Inventor: PARTHY K

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No   | Kind | Date     | Applicat No | Kind | Date     | Week     |
|-------------|------|----------|-------------|------|----------|----------|
| DE 19953217 | A1   | 20010510 | DE 1053217  | A    | 19991105 | 200138 B |

Priority Applications (No Type Date): DE 1053217 A 19991105

Patent Details:

| Patent No   | Kind | Lan Pg | Main IPC    | Filing Notes |
|-------------|------|--------|-------------|--------------|
| DE 19953217 | A1   | 4      | F16B-002/02 |              |

Abstract (Basic): DE 19953217 A1

NOVELTY - A building under construction with a scaffolding frame is protected by a tarpaulin secured to the scaffolding by **tie-wraps** linking wire **anchorage** points on each side. The **tie - wraps** or **cable ties** incorporate a weak point calculated to fail at a given maximum load.

USE - **Cable tie - wrap** linkage for tarpaulins secured to building

scaffolding.

ADVANTAGE - The calculated failure of the linkage minimizes the risk of scaffolding collapse in high winds.

DESCRIPTION OF DRAWING(S) - The drawing shows a **cable anchorage** point with a weak link in the form of a waisted section.

Weak point (1a)

**Tie - wrap** (3)

**Ratchet** surface (4)

**Loop** lock (5)

pp; 4 DwgNo 1/6

Derwent Class: Q46; Q61

International Patent Class (Main): F16B-002/02

International Patent Class (Additional): E04G-001/16

**8/34/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

013214455 \*\*Image available\*\*

WPI Acc No: 2000-386329/200033

**Telecommunication cabling suspension system for ceiling and plenum areas, has suspension wires with ends attached to anchor bolts with expandable nut secured inside holes in portion of concrete ceiling**

Patent Assignee: OZGA J E (OZGA-I); WALKER S E (WALK-I)

Inventor: OZGA J E; WALKER S E

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| US 6053457 | A    | 20000425 | US 96602658 | A    | 19960216 | 200033 B |
|            |      |          | US 98104778 | A    | 19980625 |          |

Priority Applications (No Type Date): US 96602658 A 19960216; US 98104778 A 19980625

Patent Details:

| Patent No  | Kind | Lan Pg | Main IPC    | Filing Notes                    |
|------------|------|--------|-------------|---------------------------------|
| US 6053457 | A    | 11     | E21F-017/02 | Cont of application US 96602658 |
|            |      |        |             | Cont of patent US 5782440       |

Abstract (Basic): US 6053457 A

NOVELTY - Suspension wires (12,36) have ends (14,34) attached to **anchor** bolts (16,38) with expandable nuts (18,40) secured inside holes (20,42) in portion of concrete ceiling (22), respectively. The other ends (24,44) of wires (12,36) are attached to bracket (26) of tensioning **ratchet** (28). Several telecommunication **cables** (50) are secured together by a **cable tie** (52).

DETAILED DESCRIPTION - The end (44) of wire (36) is attached and wrapped around the reel of **ratchet**. The **cables** are secured by **cable tie** such that **cables** are used as telecommunication distribution network in plenum area. An INDEPENDENT CLAIM is also included for a method for routing and suspending several telecommunication **cables** together near a ceiling in a plenum area.

USE - For ceiling and plenum areas in building.

ADVANTAGE - Routes **cables** through plenum areas and allows precise placement of the telecommunication **cables** by supporting **cable** bundle as tight bundle against the wire. The suspension wire is attached to the building structure such that tension on wire can be adjusted as additional **cables** are suspended. The suspension wire can be attached to the building structure vertically, horizontally or at any angle to axis

of the structure. The wire, by tightening the tension, is capable of holding any number of **cables** over lengthy spans without the wire and **cables** sagging between **anchor** bolts. Allows bundle of **cables** to be wrapped with an exterior **wrap** for protection from electrical and physical hazards. Provides simple data cabling support system that allows precise placement of **cable**. Reduces the risk of damage to the **cables**. The cabling support system can be easily mastered by field personal, thus producing inexpensive, high quality, reliable installations of data transfer system.

DESCRIPTION OF DRAWING(S) - The figure shows the front view of telecommunication cabling suspension system.

Suspension wires (12,36)  
 Ends (14,24,34,44)  
**Anchor** bolts (16,38)  
 Expandable nut (18,40)  
 Holes (20,42)  
 Concrete ceiling (22)  
 Bracket (26)  
 Tensioning **ratchet** (28)  
 Wire (36)  
**Cable** (50)  
**Cable tie** (52)

pp; 11 DwgNo 1/8  
 Derwent Class: Q49; W01  
 International Patent Class (Main): E21F-017/02

#### 8/34/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corp. All rts. reserv.  
 001258747

WPI Acc No: 1975-E2562W/197516

**Snap-hook for cable ties take-up - block has ratchet wheel interacting with sprung pawl co-axial with end roller**

Patent Assignee: MOROZOV N G ET AL (MORO-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date     | Applicat No | Kind | Date   | Week |
|-----------|------|----------|-------------|------|--------|------|
| SU 421565 | A    | 19741111 |             |      | 197516 | B    |

Priority Applications (No Type Date): SU 1640798 A 19710330

Abstract (Basic): SU 421565 A

The **snap-hook**, for altering lengths of **cables** used in putting up temporary structures, comprises a frame with a pulley on which the **tie** is wound, a diverting pulley and roller with the end of the **tie** fixed to it. For quick take-up of the slack and reliable fixing at required length of **cable**, the pulley on which the **tie** is wound is mounted on the same axis as a **ratchet wheel**, interacting with a sprung **pawl** mounted coaxially with the roller on which the end of the **tie** is fixed. To **hold** the end of the **cable** in the **snap-hook**, the frame has a supporting clamp, the ends of which are fixed on the frame side plates. For moving the frame about the end of the **cable**, the frame has a clamp-handle with its ends fixed on the side plates.

Derwent Class: Q24

International Patent Class (Additional): B63B-021/04

#### 8/7/7 (Item 1 from file: 347)

DIALOG(R) File 347:JAPIO

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03916224 \*\*Image available\*\*

**SPLIT FERRITE CORE CASE**

PUB. NO.: 04-281324 [JP 4281324 A]

PUBLISHED: October 06, 1992 (19921006)

INVENTOR(s): MATSUURA TADASHI

APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 03-063660 [JP 9163660]

FILED: March 06, 1991 (19910306)

## ABSTRACT

PURPOSE: To prevent positional shift of **cable** by holding a **cable** in the **holding** space of a case enclosing a split ferrite core, temporarily stopping the **cable** by means of a stopper and a stop **hook**, **stretching** a **tie-wrap** tag and then **hooking** the **ratchet** thereof to a **tie-wrap hook**.

CONSTITUTION: A fastening **tie - wrap** tag 7 having a **ratchet** 7a is suspended integrally from the side face of a rotary half case body 1b and a **tie - wrap hook** 8 to be **hooked** with the **ratchet** 7a of the **tie - wrap** tag 7 is provided integrally on the side face of a fixed half case body 1b. A **cable** 3 emitting spurious radio wave is then held in a **holding** space 4 provided between the fixed half case body 1a and the rotary half case body 1b of a split core case 1. A stop **hook** 6 is then pulled down and engaged with a stopper 5 thus temporarily stopping the **cable** 3. Thereafter, the **tie - wrap** tag 7 is **stretched** and the **ratchet** 7a thereof is **hooked** to the **tie - wrap hook** 8.

13/34/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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001236747

WPI Acc No: 1975-C0531W/197508

Car safety belt tensioning roller - controlled by pre-tensioned rubber band and ratchet mechanism

Patent Assignee: C J P LEBRE (LEBR-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date | Week     |
|------------|------|----------|-------------|------|------|----------|
| FR 2227723 | A    | 19741227 |             |      |      | 197508 B |

Priority Applications (No Type Date): FR 7314726 A 19730424; FR 7320138 A 19730604; FR 7324516 A 19730704; FR 7339831 A 19731109; FR 7345406 A 19731219

Abstract (Basic): FR 2227723 A

The belt rolls up on a cylindrical **drum** (5) which is mounted in a **holder** and is powered by a pre-tensioned **rubber band** (10). One end of the **drum** terminates in a castellated flange (7) and has inside it a means of **anchoring** the **rubber band**. A **ratchet pawl** pivots freely on the outside of the **holder** and is held in mesh with the castellated flange by a tension **spring** (13). The winding mechanism is actuated by manually releasing the **ratchet** by lever (22). The pre-tension of the **rubber drive band** can be adjusted by a rotatable **hook** (19). The **drum holder** has a slot to guide the **belt** on to the **drum**.

Derwent Class: P35; Q17

International Patent Class (Additional): A62B-035/02; B60R-021/10

**14/34/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
011488702 \*\*Image available\*\*  
WPI Acc No: 1997-466607/199743

**Attachment apparatus for watershed stopper - has control unit which outputs stop driving signal to actuator when load that hangs to hook reaches turning value**

Patent Assignee: KURIMOTO IRON WORKS LTD (KURM )

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| JP 9217391 | A    | 19970819 | JP 9625344  | A    | 19960213 | 199743 B |
| JP 3032150 | B2   | 20000410 | JP 9625344  | A    | 19960213 | 200023   |

Priority Applications (No Type Date): JP 9625344 A 19960213

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|-----------|------|--------|----------|--------------|
|-----------|------|--------|----------|--------------|

|            |   |    |             |  |
|------------|---|----|-------------|--|
| JP 9217391 | A | 11 | E03B-007/07 |  |
|------------|---|----|-------------|--|

|            |    |    |             |                                  |
|------------|----|----|-------------|----------------------------------|
| JP 3032150 | B2 | 11 | E03B-007/00 | Previous Publ. patent JP 9217391 |
|------------|----|----|-------------|----------------------------------|

Abstract (Basic): JP 9217391 A

The apparatus (1) has a wide diametral machine (3) press-fitted to a divergence opening (142) with a **rubber band** (67) and a metal fixture (65), when a main shaft (8) in a jig (2) is drilled to a fluid pipe. An elevation mechanism (3A) elevates the shaft, and opens the top and bottom edges. A driving mechanism (3B) bobs and rotates the main shaft. A fixed prop (40), whose lower end opening is fixed to the periphery of a fluid pipe, detachably fixes to a drilling machine. An operation handle (44) e.g. **gear** is engaged to a rack formed axially and press fitted to the peripheral surface of the fixed prop.

An outer cylinder (42) is rotated by the handle to the fixed prop. The outer cylinder and a pressure shaft () are moved integrally.

A display mechanism (55) exhibits pressure degree to peripheral surfaces of the fluid pipes based on the movement of the shaft. An actuator drives a crank chain and a **ratchet** mechanism. The shaft is elevated gradually by the **ratchet** mechanism. A control unit outputs a stop driving signal to the actuator when load, that hangs to a **hook**, reaches turning value.

ADVANTAGE - Performs automatic wide diametral work.

Dwg.1/24

Derwent Class: Q42; Q67

International Patent Class (Main): E03B-007/00; E03B-007/07

International Patent Class (Additional): F16L-041/06; F16L-041/08

**14/34/7 (Item 7 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
007015973

WPI Acc No: 1987-015970/198703

**Automatically anchored control cable conduit for braking system - has shouldered body with axial slots for housing pawls pivoted to locking position by spring snap ring**

Patent Assignee: ACCO BABCOCK INC (ACCO-N)

Inventor: EASTER L E; GILMORE W J

Number of Countries: 007 Number of Patents: 006

## Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| EP 209249  | A    | 19870121 | EP 86304560 | A    | 19860613 | 198703 B |
| US 4657212 | A    | 19870414 | US 85744846 | A    | 19850613 | 198717   |
| ES 8704045 | A    | 19870516 | ES 555982   | A    | 19860612 | 198725   |
| EP 209249  | B    | 19900411 |             |      |          | 199015   |
| DE 3670350 | G    | 19900517 |             |      |          | 199021   |
| CA 1273272 | A    | 19900828 |             |      |          | 199040   |

Priority Applications (No Type Date): US 85744846 A 19850613

Cited Patents: A3...8735; No-SR.Pub; US 1822259; US 2181657; US 2424757; US 4131379; US 4337971

## Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|-----------|------|--------|----------|--------------|
|-----------|------|--------|----------|--------------|

|           |   |   |    |  |
|-----------|---|---|----|--|
| EP 209249 | A | E | 13 |  |
|-----------|---|---|----|--|

Designated States (Regional): DE FR GB IT

|            |   |   |  |
|------------|---|---|--|
| US 4657212 | A | 4 |  |
|------------|---|---|--|

|           |   |  |  |
|-----------|---|--|--|
| EP 209249 | B |  |  |
|-----------|---|--|--|

Designated States (Regional): DE FR GB IT

Abstract (Basic): EP 209249 A

A device for automatically **anchoring** a control **cable** conduit assembly to an opening (23) in a support wall (14) comprises an elongate body (1) with a shoulder (21) larger than the opening (23). A series of slots (6) are also provided, for housing **pawls** (7), and an annular groove (12).

Each **pawl** has a fulcrum (10) between its ends, and a groove (11) aligned with the annular groove and receiving a spring snap **ring** (15). The latter biases an edge (13) of the **pawl** into engagement with the support wall. The axial positions of the grooves are determined in relation to the thickness of the support wall.

USE/ADVANTAGE - For a **cable** assembly in an automotive braking system. Automatically is assured with a reduced extent of insertion.

2/4

Abstract (Equivalent): EP 209249 B

An automatic conduit **anchorage** device for **anchoring** a control **cable** conduit assembly through an opening in a support wall, including an elongate tubular body (1) having a first shouldered end portion (21) larger in size than the opening and arranged to abut one face of the wall surface adjacent an opening in a support wall (14) and having a second end portion (25) smaller in size than the opening and being provided with members (7) **resiliently** biassed to engage the other face of the wall surface axially to locate the device in the opening, characterised in that the members comprise locking **pawl** means (7) positioned within axially extending slot means (6) in the elongate body (1), the **pawl** means (7) having a first end region (28) with engagement means (17) spaced from the first shouldered end portion (21) of the body by a distance equal to a predetermined thickness of the support wall, a second end region (29) spaced from the first end region (28), and a fulcrum edge (10) situated between the first and second end regions (28, 29) bearing on a radially inner face (24) of the slot means (6) and about which the **pawl** means (7) pivots from a locking position in which the first end region (28) is raised radially outwardly of the slot means (6) by a distance sufficient to facilitate locking of the **pawl** means (7) against the support wall to effect **anchoring** of the **anchorage** device in relation to the opening and an open position permitting movement of the **anchorage** device through the opening, and a **resilient** biasing **ring** member (15) for biasing the

**pawl** means (7) about the fulcrum (10) and into the locking position engaging the **pawl** means (7) between the fulcrum edge (10) and the second end region (29) thereof disposed in an annular groove extending circumferentially of the body (1) and a matching groove (11) in the **pawl** means (7) surface to **hold** the **pawl** means (7) against axial movement in the slot means (6). (6pp)

Abstract (Equivalent): US 4657212 A

Control **cable anchor** for securing a control **cable** in an opening has an elongated body with a shouldered end, axial slots in the body surface and locking **pawls** positioned within the slots. The **pawls** have a first end spaced from the shouldered end of the body which cooperates with the shouldered end to sandwich a wall which defines the opening.

The **pawls** have a fulcrum point which engages the bottom of the slots. The **pawls** are biased into their first or locking position but may pivot about the fulcrum to be retracted at least partially beneath the body surface for insertion through the opening.

ADVANTAGE - Sturdy connection and seal are provided. (4pp)h

Derwent Class: Q62; Q67

International Patent Class (Additional): F16C-001/10; F16L-005/00;

H02G-003/22

**14/34/9 (Item 9 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

003027194

WPI Acc No: 1981-C7208D/198113

**Powered axle for toy - has rubber band in tube with ratchet for tensioning and rotation of drive wheels**

Patent Assignee: BANNISTER B C (BANN-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date   | Week |
|------------|------|----------|-------------|------|--------|------|
| GB 1586957 | A    | 19810325 |             |      | 198113 | B    |

Priority Applications (No Type Date): GB 7611275 A 19760319

Abstract (Basic): GB 1586957 A

The drive for a toy has a **resilient band** fitted between an **anchor** and a rotatable (4) shaft. The shaft may be rotated relative to the **anchor** to apply a torque to the **band** (12) to allow subsequent rotation of the shaft. A tube engages the **anchor** and is rotatable relative to the **anchor**. A **ratchet** (6) between the tube (5) and the shaft allows rotation of the shaft in one direction only.

The tube and shaft can have **wheels** (1,2), and the **anchor** is a cap on the tube which extends beyond the **wheels**. The **wheels** are a friction fit on the tube.

Derwent Class: P36

International Patent Class (Additional): A63H-029/18

**14/34/10 (Item 10 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

001290949

WPI Acc No: 1975-H4861W/197529

**Fish hook holding tool - comprises hollow tube having tensioned rubber**

**band holding hook in tube slots**

Patent Assignee: NACK R L (NACK-I)  
Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date | Week     |
|------------|------|----------|-------------|------|------|----------|
| US 3893254 | A    | 19750708 |             |      |      | 197529 B |

Priority Applications (No Type Date): US 74489851 A 19740719

Abstract (Basic): US 3893254 A

A resilient power element (22) for providing torsional and longitudinal forces is disposed within a hollow body (12) and is interconnected to a fish **hook** engaging spindle and a rotatable **anchor**. Cross slots (13) on the body initially prevent rotation of the **hook**-spindle and any fish **hook** engaged with it as the **anchor** is rotated in a first direction to store power in the **resilient** element. A fishing line **looped** through the eye of the fish **hook** will be wound about itself in a reverse direction when the spindle and **hook** are pulled longitudinally away from and free of the slots. **Band** power **resilient** elements and **ratchet** winding devices may be used.

Derwent Class: P14

International Patent Class (Additional): A01K-091/04

**18/34/1 (Item 1 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
009451854

WPI Acc No: 1993-145379/199318

**Pressure vessel closure device for coke drum deheading for bottom head - with annular retaining element and hooks to engage cradle holding bottom head against flange and hooks are pivoted outwards using cylinders**

Patent Assignee: KELLOGG CO M W (PULL )

Inventor: FRUCHTBAUM J; KRONMILLER F B

Number of Countries: 007 Number of Patents: 006

Patent Family:

| Patent No   | Kind | Date     | Applicat No | Kind | Date     | Week     |
|-------------|------|----------|-------------|------|----------|----------|
| EP 540000   | A1   | 19930505 | EP 92118530 | A    | 19921029 | 199318 B |
| US 5228825  | A    | 19930720 | US 91786693 | A    | 19911101 | 199330   |
| CA 2093852  | A    | 19941014 | CA 2093852  | A    | 19930413 | 199502 N |
| EP 540000   | B1   | 19951129 | EP 92118530 | A    | 19921029 | 199601   |
| DE 69206387 | E    | 19960111 | DE 606387   | A    | 19921029 | 199607   |
|             |      |          | EP 92118530 | A    | 19921029 |          |
| ES 2080417  | T3   | 19960201 | EP 92118530 | A    | 19921029 | 199612   |

Priority Applications (No Type Date): US 91786693 A 19911101; CA 2093852 A 19930413

Cited Patents: EP 330295; US 4726109; US 4820384

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC       | Filing Notes |
|-----------|------|--------|----------------|--------------|
| EP 540000 | A1   | E      | 18 C01B-025/10 |              |

Designated States (Regional): DE ES FR GB IT

US 5228825 A 16 C10B-043/02

EP 540000 B1 E 21 C10B-025/10

Designated States (Regional): DE ES FR GB IT

DE 69206387 E C10B-025/10 Based on patent EP 540000

ES 2080417 T3 C10B-025/10 Based on patent EP 540000

CA 2093852 A B01J-003/03

Abstract (Basic): EP 540000 A

A coke **drum bottom** deheading device, comprises: (a) a retaining element disposed concentrically around a lower end of the coke **drum** above a lower flange, b) a number of outwardly pivotable **hooks** depending from the retaining element, c) a cradle releasably engageable by the **hooks**, the cradle being adapted to **hold** the **bottom head** below the lower flange of the coke **drum**, d) a number of springs operatively associated with the retaining element to tension the **hooks** and draw the cradle upwardly to sealingly engage the **bottom head** against the lower flange of the coke **drum**, e) a number of unlocking cylinders adapted to move the retaining element toward the lower flange to release tension from the **hooks**, (f) movable car adapted to support the cradle in an elevated position adjacent the lower flange, (g) means for pivoting the **hooks** outwardly from the lower flange and disengaging the **hooks** from the cradle and (h) an elevator for raising and lowering the cradle and head from the coke **drum**.

USE - Closure device for flanged connections of pipelines and pressure vessels, particularly a method for deheading a coke **drum**.

Dwg.1/15

Abstract (Equivalent): EP 540000 B

A coke **drum bottom** deheading device, comprising: a retaining element (10) disposed concentrically around a lower end of the coke **drum** (V) above a lower flange (F) thereof; a plurality of outwardly pivotable **hooks** (12) depending from the retaining element (10); a cradle (34) releasably engageable by the **hooks** (12), the cradle (34) adapted to **hold** the **bottom head** (H) below the lower flange (F) of the coke **drum** (V); a plurality of springs (14) operatively associated with the retaining element (10) to tension the **hooks** (12) and draw the cradle (34) upwardly to sealingly engage the **bottom head** (H) against the lower flange (F) of the coke **drum**; a plurality of unlocking cylinders (30) adapted to move the retaining element (10) toward the lower flange (F) to release tension from the **hooks** (12); a table (T) adapted to support the cradle (34) in an elevated position adjacent the lower flange (F); means for pivoting the **hooks** (12) outwardly from the lower flange (F) and disengaging the **hooks** (12) from the cradle (34); means for raising and lowering the cradle (34) and head (H) to and from the coke **drum** (V).

Dwg.1/13

Abstract (Equivalent): US 5228825 A

A coke **drum** beheader comprises a retainer for locating around the **drum** lower end above the lower flange and carrying outwardly pivotable **hooks** releasably engaging a cradle to **hold** a **bottom head** below the lower flange. Springs mounted between the retainer and lower flange bias the cradle upwardly to sealingly engage the head against the lower flange.

An actuator can move the retainer towards the flange to tension the springs and release tension from the **hooks**, so that the **hooks** can be pivoted outwardly and disengaged from the cradle. The cradle and head can be raised and lowered to and from the flange. There are pref. pressure equalising springs between cradle and head.

USE/ADVANTAGE - For use with the large vertical coke **drum** vessels used in the delayed coking process, provides automated installation and removal of the head, avoids the use of rapid-wearing or high maintenance components and is of simple design.

Dwg.1/13

Derwent Class: H05; H08; Q77

International Patent Class (Main): B01J-003/03; C01B-025/10; C10B-025/10;

C10B-043/02  
International Patent Class (Additional): B01J-003/00; C10B-033/00;  
F27D-001/18

**18/34/2 (Item 2 from file: 350)**

DIALOG(R) File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
004450666

WPI Acc No: 1985-277544/198545

**Drum with upper and lower drum head - has tension of lower head coarsely adjustable from below and finely adjusted from above via vertically swivelable element on drum wall**

Patent Assignee: HOSHINO GAKKI CO LTD (HOSH-N)

Inventor: HOSHINO Y

Number of Countries: 002 Number of Patents: 002

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| DE 3503869 | A    | 19851031 | DE 3503869  | A    | 19850205 | 198545 B |
| US 4570526 | A    | 19860218 | US 84673530 | A    | 19841121 | 198610   |

Priority Applications (No Type Date): JP 84U58853 U 19840420

Patent Details:

| Patent No  | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|----------|--------------|
| DE 3503869 | A    | 22     |          |              |

Abstract (Basic): DE 3503869 A

The mechanism is intended for adjusting the tension of a **drum** head (12, 13, 14) of a **drum** (10) with upper (11) and lower (12) **drum** heads. It comprises a swivel (41) element (40) which is carried (39, 65) on the **drum** wall (10) and swivelable between a lower and an upper position.

A first tensioning assembly (60) is operable from below (31) to swivel the element downwards and thereby increase the tension of the head (13) whilst a second tensioning assembly (63) is operable from above (50, 52) to swivel the element upwards and thereby further adjust the tension of the head (13).

USE/ADVANTAGE - Lower **drum** head tension is given coarse adjustment from below and fine adjustment from above for greater convenience.

Abstract (Equivalent): US 4570526 A

The tensioner is for adjusting the tension of the **bottom head** of a **drum**, by acting at the top of the **drum**. A movable arm pivots up and down the body of a **drum**. A bolt, which engages the bottom **drum** head tightening hoop of the **drum**, is threadedly connected to a pin which is **anchored** at the lower jaw of the movable arm. A threaded rod, connected to the upper jaw of the movable arm, extends upwardly. The connection to the threaded rod is further from the pivot pin of the movable arm than is the connection to the pin for the bolt.

An adjustment nut with a threaded bore receives the threaded rod and the nut extends to the top of the **drum**. A coarse tension adjustment in the bottom **drum** head is set with the bolt, and a fine adjustment is set by rotating the nut at the top of the **drum**. (6pp Dwg.No.3/4)

Derwent Class: P86

International Patent Class (Additional): G10D-013/02

**18/34/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.  
001593438

WPI Acc No: 1976-27839X/197615

**Hydraulic packer for absorbing formations - radial entries in moving pipe connector, base plug for pressure control**

Patent Assignee: DRILLING FLUIDS (DRIL-R)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date     | Applicat No | Kind | Date   | Week |
|-----------|------|----------|-------------|------|--------|------|
| SU 465472 | A    | 19751015 |             |      | 197615 | B    |

Priority Applications (No Type Date): SU 1933869 A 19730622

Abstract (Basic): SU 465472 A

Hydraulic packer for absorbing formations in oil etc. wells complete with **barrel** and radial channels for packer fluid and an axially travelling connection with two rows of radial channels and **bottom head** as in Parent Certificate No. 193400 has been modified to increase functional reliability and end seal provided by the packer in position. In order to ensure better operation the travelling connection member placed above the packer unit itself is fitted with radial channels to force fluid in above the packer and so prevent it riding up and losing sealing effect. The base end is fitted with a **plug**. The radial entries in the connection pipe provide the pressure fill above the packer and later, after lowering to the level of the absorbing formation, admit quick-setting grout to the formation to seal it off.

Derwent Class: H01; Q49

International Patent Class (Additional): E21B-033/12

**8/26,TI/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.  
012867325

WPI Acc No: 2000-039158/200003

**Cable used as marking stickers in bundled wires****8/26,TI/5 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.  
012113840

WPI Acc No: 1998-530752/199845

Clamping band attaching especially torn tendons to each other or to bone - comprises plastic strip with ratchet surface and opening at one end allowing surgeon to test clamping position before adding separate clamping head containing ratchet teeth, with additional bone attachment peg

**13/26,TI/2 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.  
010501805

WPI Acc No: 1995-403126/199551

Container and closure resealable bottle cap with push-pull closure - has first tamper evident ring on closure adjacent to neck portion of bottle, and second tamper evident device on push-pull resealable pour spout which is partially closed by second top

**13/26, TI/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
009123730

WPI Acc No: 1992-251161/199231

**Sealing of pump connections within reactor vessels - comprising two coaxial, relatively displaceable body parts which control dia. of elastic sealing ring**

**13/26, TI/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
009120686

WPI Acc No: 1992-248123/199230

**Retrievable hydraulic packer - with slips comprising elastic split rings located on upper and lower portions of elastic sealing element**

**13/26, TI/5 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
003048039

WPI Acc No: 1981-E8068D/198121

**Group teat feeder for young livestock - has stopper inside each feeder teat linked to control bar for improved hygiene**

**14/26, TI/1 (Item 1 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
017884185

WPI Acc No: 2006-395501/200641

**Hoisting equipment for use in moving toy, has input-output shaft and winding-up shaft which are rotatable inside case**

**14/26, TI/2 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
015788769

WPI Acc No: 2003-850972/200379

**Ratchet flywheel clutch**

**14/26, TI/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
010042594

WPI Acc No: 1994-310305/199438

**Utility rack for vehicle - has bound inside hollow compartment attached at either end with locking mechanisms mounted on carrier bag to lock non-elastic straps**

**14/26, TI/5 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corp. All rts. reserv.  
009164602

WPI Acc No: 1992-292043/199235

**Utility rack for vehicle - is placed on vehicle by non-elastic straps and includes rubber band or spring inside carrier bar**

**14/26, TI/6 (Item 6 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

007681658

WPI Acc No: 1988-315590/198845

**Seal for cable passing through tubular duct - has sealing bush compressed from both sides by force applied from outer end**

**14/26, TI/8 (Item 8 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

004125507

WPI Acc No: 1984-271048/198444

**Foot grip for sailboard - has elastic insert with tilting action in slot**

File 349:PCT FULLTEXT 1979-2006/UB=20060629, UT=20060622

| Set       | Items    | Description  |
|-----------|----------|--|
| S1        | 145491   | ANCHOR??? OR HOOK? ? OR HOLD()DOWN OR DUNNAGE OR PLUG? ?   |
| S2        | 5592     | (ELASTIC OR FLEXIBLE OR STRETCH???? OR RESILIENT)(1W) (LOOP<br>OR LOOPS OR RING OR RINGS) OR RUBBER()BAND? ? |
| S3        | 850      | (CABLE OR ZIP)()(TIE OR TIES OR TIED OR TYING) OR (RAT OR -<br>MOUSE) ()BELT? ? OR TIE()WRAP????             |
| S4        | 12629    | RATCHET? OR RATCH?? OR PAWL? ? OR GEARWHEEL? ? OR GEAR()WH-<br>EEL? ?  |
| S5        | 170      | BOTTOM()HEAD? ?  |
| S6        | 15       | S1(S)S2(S)S3:S4  |
| S7        | 0        | S5(S)S6  |
| <b>S8</b> | <b>2</b> | <b>S6/TI,AB,CL</b>   |
| S9        | 173407   | DRUM? ? OR CONTAINER? ? OR BARREL? ?   |
| S10       | 3        | S6(S)S9  |
| S11       | 2        | S10 NOT S8   |
| S12       | 11       | S6 NOT (S8 OR S10)   |

8/3,K/2

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2006 WIPO/Univentio. All rts. reserv.  
00219161

#### UTILITY RACK FOR A VEHICLE

#### GALERIE-RATELIER POUR VEHICULE AUTOMOBILE

Patent Applicant/Assignee:

SKI TOTE USA,  
WALTER Richard J,

Inventor(s):

WALTER Richard J,

Patent and Priority Information (Country, Number, Date):

|                       |   |
|-----------------------|---|
| Patent:               | WO 9216393 A1 19921001                  |
| Application:          | WO 92US2193 19920313 (PCT/WO US9202193) |
| Priority Application: | US 9133 19910315                        |

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AT AU BB BE BF BG BJ BR CA CF CG CH CH CI CM DE DE DK DK ES ES FI FR  
GA GB GB GN GR HU IT JP KP KR LK LU LU MC MG ML MR MW NL NL NO PL RO RU  
SD SE SE SN TD TG US

Publication Language: English

Fulltext Word Count: 5771

English Abstract

...various sizes. The utility rack has a carrier bar (20) containing a hollow compartment. A **rubber band** or a spring inside the hollow compartment is attached at either end to a non-elastic strip (110) which extends from the hollow compartment and outside the carrier bar to **hooks**. Locking mechanisms (82) are mounted on the carrier bar to lock the non-elastic straps (110) to the carrier bar by a **pawl** mechanism or by a pin. The utility rack is placed on the vehicle by pulling on the non-elastic straps and placing their respective **anchors** on the **anchor** points of the vehicle and then locking the non-elastic straps to the carrier bar by means of the **pawl** and **ratchet** mechanisms or pin-perforated strap locking mechanisms.

11/3,K/2

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2006 WIPO/Univentio. All rts. reserv.

00213041      \*\*Image available\*\*

**A SWING ARM FOR A TOY BUILDING SET****LEVIER OSCILLANT POUR UN JEU DE CONSTRUCTION**

Patent Applicant/Assignee:

LEGO A S,  
SKOV Ib Torben,  
PAGEL Kim,

Inventor(s):

SKOV Ib Torben,  
PAGEL Kim,

Patent and Priority Information (Country, Number, Date):

Patent:                    WO 9210256 A1 19920625

Application:             WO 91DK369 19911203 (PCT/WO DK9100369)

Priority Application: DK 287190 19901204

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT BE CH DE DK ES FR GB GR IT JP LU MC NL SE US

Publication Language: English

Fulltext Word Count: 1583

Fulltext Availability:

Claims

Claim

... angle with the part 7 and being formed at its free end with a **hook** 9,

In fig, 3, a cord 31 is connected with the second part of...

...ber **band**. Further, a tension spring 33, which may also be replaced by an elastic **rubber band**, is provided between the first part 1 of the swing arm......practice, the swing arm can pivot about 1800 about the hinge 6, so that the **hook** 9 assumes a position which is lower than the upper side of the chassis ...on the base, As shown in fig, 1,, the object may e.g. be a **container** 10 to be lifted onto the chassis 3 of the toy car.

When the pull...

...tensioned by means of the pulley 4, the swing arm is pivoted back, and the **hook** lifts and carries the **container** 10. After the swing arm has completed its pivotal movement, its first part 1 with......the second part 2 by a translatory movement, It is thus possible to move the **container** a horizontal distance greater than twice the swing radius of the **hook** 9 about the hinge 6 in the retracted position of the swing arm. This entails in particular that the **container** 10 will not be lifted during its movement to the maximum height corresponding to the......The part 7 of the first part of the swing arm has a resilient **hook** 11 near its free end, said **hook** serving as a snap lock together with an edge 12 on the second part 2......assembling the first part and the second part, When the parts have been assembled,, the **hook** 11 and the edge 12 serve as end stops so that the two parts of......drive and spring forces. Alternatively, these movements may be performed by means of stiff shafts, **gearwheels** , chain drives or the like...**12/3,K/10**

DIALOG(R)File 349:PCT FULLTEXT

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00148366      \*\*Image available\*\*

**FISHNET HANGING SYSTEM****SYSTEME DE SUSPENSION D'UN FILET DE PECHE**

Patent Applicant/Assignee:

BARCLAY Robert W,

Inventor(s):

BARCLAY Robert W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8805259 A1 19880728

Application: WO 88US221 19880127 (PCT/WO US8800221)

Priority Application: US 87221 19870127

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AT AU BB BE BG BJ BR CF CG CH CH CM DE DE DK FI FR GA GB GB HU IT JP

KP KR LK LU LU MC MG ML MR MW NL NL NO RO SD SE SE SN SU TD TG US

Publication Language: English

Fulltext Word Count: 6305

Fulltext Availability:

Detailed Description

Detailed Description

... in Figures 7 and 8, the connector unit 11' has a spherical upper portion or **plug** 12' from which the short and long **flexible loops** 14 and 15 extend. The **anchor** member 1" for the connector unit 11' is very similar to the **anchor** member 1 shown in Figures 1 and 2. Such **anchor** member 1" includes the through slots 4 and 5 at opposite sides of the top concave cutout 3 for receiving the line to which the **anchor** member is to be attached. As in the embodiment of Figures 1 and 2, a **pawl** is provided inside the slot 5 for retaining a **cable tie** strap 7 looped over the line to indent or partially embed the **anchor** member into the line.

Similar to the embodiment of Figures 1 and 2, the modified...**anchor** members 40 clamped's@ciirely and spaced uniformly lengthwise of the line L, the **flexible loops** 14' and 15' can be coupled to the net as previously described. More specifically, with...

...with the selvage of the net N such that the long loop 15' from one **anchor** member is locked in the shorter loop 14' of the next **anchor** member through which the longer loop 15' of such next **anchor** member is threaded. In the embodiment illustrated in Figures 25, 26 and 27, an **anchor** member 60 of a design similar to the **anchor** member 1 of Figures 1 and 2 is used. Such **anchor** member 60 has the top concave cutout 3 for receiving the line L and slots 4 and 5 at opposite sides of such cutout for a **ratchetting** strap looped over the line to clamp the **anchor** member securely to the line in fixed position. As illustrated, the **anchor** member has a central bore 2 for a savings of plastic material, but otherwise the...

12/6/7

00487816 \*\*Image available\*\*

**ADJUSTABLE LOAD-CARRYING RACK FOR VEHICLES**

Publication Year: 1999

12/6/8

00388106 \*\*Image available\*\*

**APPARATUS AND METHOD FOR EXERCISING**

Publication Year: 1997

12/6/9

00220445 \*\*Image available\*\*

**RETRIEVABLE BRIDGE PLUG AND A RUNNING TOOL THEREFOR**

Publication Year: 1992

## INVENTORS

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200641  
(c) 2006 The Thomson Corp.  
File 349:PCT FULLTEXT 1979-2006/UB=20060622,UT=20060615  
(c) 2006 WIPO/Univentio  
File 348:EUROPEAN PATENTS 1978-2006/ 200626  
(c) 2006 European Patent Office

| Set | Items  | Description                               |
|-----|--------|---|
| S1  | 7      | AU='COON T' OR AU='COON THOMAS'           |
| S2  | 126    | AU='ADAMS R' OR AU='ADAMS RANDALL'        |
| S3  | 8      | AU='ADAMS RANDALL C':AU='ADAMS RANDALL V' |
| S4  | 189584 | ANCHOR?                                   |
| S5  | 1030   | BOTTOM()HEAD?                             |
| S6  | 232313 | DRUM? ?                                   |
| S7  | 6      | <b>S1:S3 AND S4</b>                       |
| S8  | 47783  | IC=B65D-085?                              |
| S9  | 3      | S1:S3 AND S8                              |
| S10 | 1      | <b>S9 NOT S7</b>                          |
| S11 | 0      | (S1:S3 AND S5:S6) NOT (S7 OR S9)          |

### 7/3,AB,IC/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
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013430403

WPI Acc No: 2000-602346/200057

XRPX Acc No: N00-445662

**Bottom assembly of drum for wire coil packaging, has plug formed with anchoring portion mounted against hole of drum bottom heading to make anchoring portion disposed to anchor hold down system for wire coil**

Patent Assignee: GREIF BROS CORP (GREI ); ADAMS R (ADAM-I); COON T D (COON-I)

Inventor: **ADAMS R0 ; COON T D**

Number of Countries: 093 Number of Patents: 004

Patent Family:

| Patent No      | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|----------------|------|----------|---------------|------|----------|----------|
| WO 200058181   | A1   | 20001005 | WO 2000US7679 | A    | 20000323 | 200057 B |
| AU 200041751   | A    | 20001016 | AU 200041751  | A    | 20000323 | 200106   |
| EP 1181221     | A1   | 20020227 | EP 2000921428 | A    | 20000323 | 200222   |
|                |      |          | WO 2000US7679 | A    | 20000323 |          |
| US 20040211694 | A1   | 20041028 | US 99126338   | P    | 19990326 | 200471   |
|                |      |          | WO 2000US7679 | A    | 20000323 |          |
|                |      |          | US 2001937282 | A    | 20011221 |          |

Priority Applications (No Type Date): US 99126338 P 19990326; US 2001937282 A 20011221

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200058181 A1 E 25 B65D-085/66

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200041751 A B65D-085/66 Based on patent WO 200058181

EP 1181221 A1 E B65D-085/66 Based on patent WO 200058181

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
LU MC NL PT SE  
US 20040211694 A1 B65D-085/67 Provisional application US 99126338

Abstract (Basic): WO 200058181 A1

Abstract (Basic):

NOVELTY - The bottom assembly (50) assembled at the bottom of a drum (10A) for packaging a wire coil (30) has a drum bottom heading (60) formed with a central hole (62). A plug (70) formed with an **anchoring** portion (76) is mounted against the drum bottom heading coordinating with the hole so that the **anchoring** portion is disposed for **anchoring** a hold down system for the wire coil.

DETAILED DESCRIPTION - The hole of the drum bottom heading is preferably circular although other shapes may be suitable. The hold down system is formed with an elastic loop such as rubber band (80) which may be secured to the plug with a cable tie (82) fixed to the **anchoring** portion. An annular disc (64) is mounted on the drum bottom heading for strength. The plug is integrally molded from plastics and snap mounted to the hole.

USE - For packaging a wire coil to a container like a drum.

ADVANTAGE - An improved bottom assembly can be provided by replacing the bottom heading and strap arrangement with a bottom heading having a hole mounted with a plug which has an **anchoring** portion disposed for **anchoring** a hold down system for a wire coil from the bottom. The effective length of an elastic loop and tie assembly, compressive force exerted on the wire coil in the drum can be adjusted as desired in a range suitable for a drum height.

DESCRIPTION OF DRAWING(S) - The figure shows the cross-sectional view of wire coil packaging drum with bottom assembly.

Wire coil packaging drum (10A)

Wire coil (30)

Bottom assembly (50)

Drum bottom heading (60)

Hole (62)

Annular disc (64)

Plug (70)

**Anchoring** portion (76)

Rubber band (80)

Cable tie (82)

pp; 25 DwgNo 3/10

International Patent Class (Main): B65D-085/66; B65D-085/67

7/3,AB,IC/6 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00745044

WIRE-COIL PACKAGING DRUM WITH IMPROVED BOTTOM ASSEMBLY

CYLINDRE A ENSEMBLE FOND AMELIORE POUR ENROULEMENT DE FIL METALLIQUE

Patent Applicant/Assignee:

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(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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43015, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

SHAPIRO Mitchell W (et al) (agent), Vorys, Sater, Seymour and Pease LLP,  
11th floor, 1828 L Street N.W., Washington, DC 20036, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200058181 A1 20001005 (WO 0058181)

Application: WO 2000US7679 20000323 (PCT/WO US0007679)

Priority Application: US 99126338 19990326

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): B65D-085/66

Publication Language: English

Filing Language: English

Fulltext Word Count: 4060

English Abstract

An improved wire-coil packaging drum comprises a drum (10A) with a bottom heading (60) having a hole (62), and an **anchoring** member mounted to the bottom heading (60) and cooperating with the hole (62) such that an **anchoring** portion (76) of the **anchoring** member (70) is disposed to **anchor** a hold-down system for a wire coil received in the drum. The **anchoring** member may comprise a snap-mounted plug that is conveniently inserted into the hole (62) of the bottom heading (60), with the hold-down system comprising an elastic loop, such as a rubber band (80), which may be secured to the plug by a cable tie (82) or the like.

Serial 09/937282

July 3, 2006

File 8:Ei Compendex(R) 1970-2006/Jun W3  
     (c) 2006 Elsevier Eng. Info. Inc.

File 2:INSPEC 1898-2006/Jun W3  
     (c) 2006 Institution of Electrical Engineers

File 248:PIRA 1975-2006/Jun W2  
     (c) 2006 Pira International

| Set       | Items    | Description                             |
|-----------|----------|---|
| S1        | 6        | AU=(COON T? OR COON, T?)                |
| S2        | 1713     | AU=(ADAMS R? OR ADAMS, R?)              |
| S3        | 21625    | ANCHOR???                               |
| S4        | 23781    | DRUM? ?                                 |
| S5        | 130      | BOTTOM()HEAD????                        |
| S6        | 7        | S1:S2 AND S3:S5                         |
| <b>S7</b> | <b>5</b> | <b>RD (unique items) [not relevant]</b> |

File 16:Gale Group PROMT(R) 1990-2006/Jun 29  
     (c) 2006 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989  
     (c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2006/Jun 29  
     (c) 2006 The Gale Group

File 9:Business & Industry(R) Jul/1994-2006/Jun 29  
     (c) 2006 The Gale Group

File 621:Gale Group New Prod.Annou.(R) 1985-2006/Jun 30  
     (c) 2006 The Gale Group

File 635:Business Dateline(R) 1985-2006/Jun 30  
     (c) 2006 ProQuest Info&Learning

File 708:Akron Beacon Journal 1989-2006/Jun 28  
     (c) 2006 Akron Beacon Journal

File 722:Cincinnati/Kentucky Post 1990-2006/Jun 22  
     (c) 2006 The Cincinnati Post

File 725:(Cleveland)Plain Dealer Aug 1991-2006/Jun 29  
     (c) 2006 The Plain Dealer

File 734:Dayton Daily News Oct 1990- 2006/Jun 27  
     (c) 2006 Dayton Daily News

| Set        | Items     | Description                                 |
|------------|-----------|---|
| S1         | 14        | (THOMAS OR TOM OR TOMMY) (1W)COON           |
| S2         | 352       | (RANDALL OR RANDY) ()ADAMS                  |
| S3         | 6653      | WIRE(S)COIL???                              |
| S4         | 107325    | DRUM? ?                                     |
| S5         | 162       | BOTTOM()HEAD????                            |
| S6         | 272794    | ANCHOR???                                   |
| S7         | 0         | S1:S2(S)S3                                  |
| S8         | 0         | S1:S2(S)S5                                  |
| S9         | 36        | S1:S2(S)(S4 OR S6)                          |
| S10        | 24        | RD (unique items)                           |
| S11        | 3860033   | WIRE OR WIRING OR COIL OR COILED OR COILS   |
| S12        | 4         | S1:S2(S)S11                                 |
| S13        | 0         | S9 AND S12                                  |
| <b>S14</b> | <b>2</b>  | <b>RD S12 (unique items) [not relevant]</b> |
| <b>S15</b> | <b>24</b> | <b>Sort S10/ALL/PD,A [not relevant]</b>     |

File 727:Canadian Newspapers 1990-2006/Jun 30  
     (c) 2006 Southam Inc.

File 992:NewsRoom 2005  
     (c) 2006 Dialog

File 993:NewsRoom 2004  
(c) 2006 Dialog  
File 994:NewsRoom 2003  
(c) 2006 Dialog  
File 995:NewsRoom 2002  
(c) 2006 Dialog  
File 781:ProQuest Newsstand 1998-2006/Jun 30  
(c) 2006 ProQuest Info&Learning  
File 16:Gale Group PROMT(R) 1990-2006/Jun 29  
(c) 2006 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2006/Jun 29  
(c) 2006 The Gale Group  
File 767:Frost & Sullivan Market Eng 2006/Jun  
(c) 2006 Frost & Sullivan Inc.  
File 763:Freedonia Market Res. 1990-2006/Jun  
(c) 2006 Freedonia Group Inc.  
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Jun 30  
(c) 2006 The Gale Group

| Set        | Items    | Description                             |
|------------|----------|---|
| S1         | 680      | CO='GREIF BROS':CO='GREIF BROTHERS INC' |
| S2         | 1        | CO='OHIO GREIF BROTHERS CORP'           |
| S3         | 5354574  | WIRE OR WIRES OR WIRING                 |
| S4         | 147820   | COIL???                                 |
| S5         | 505524   | DRUM OR DRUMS                           |
| S6         | 280      | BOTTOM()HEAD????                        |
| S7         | 894026   | ANCHOR????                              |
| S8         | 1000141  | COON OR ADAMS                           |
| <b>S9</b>  | <b>2</b> | <b>S1:S2 AND S8 [not relevant]</b>      |
| S10        | 2        | S1:S2 AND S3(S)S4                       |
| S11        | 1        | S1:S2 AND S5(S)S6                       |
| S12        | 0        | S1:S2 AND S7(S)S4:S6                    |
| <b>S13</b> | <b>3</b> | <b>S10:S11 [not relevant]</b>           |